

**REC Eligibility Application Result #Bryon Carr**

Sat 12/26/2015 12:51 PM

**From:** "Barbara.Bernstein@puc.nh.gov"**To:** linda@knollwoodenergy.com

Please print two physical copies of this message and mail them to:

Debra Howland, Executive Director  
Public Utilities Commission of New Hampshire  
21 S. Fruit Street  
Concord, NH 03301

NH PUC 30 DEC 15 PM 1:09

<b>Reference #</b>	5765159
<b>Status</b>	Complete
<b>Login Username</b>	linda modica
<b>Login Email</b>	linda@knollwoodenergy.com
<b>Who is submitting this request? *</b>	Aggregator
<b>Aggregator Batch Number *</b>	KN0115
<b>Aggregator name *</b>	Knollwood Energy
<b>Aggregator's Email Address *</b>	linda@knollwoodenergy.com
<b>Facility Owner Name *</b>	Bryon Carr
<b>Owner Prefix *</b>	Mr.
<b>Facility Owner email *</b>	Louise.Carr@tds.net
<b>Facility Address *</b>	191 Burnham Intervale Rd
<b>Facility Town/City *</b>	Hopkinton
<b>Facility State *</b>	NH
<b>Facility Zip *</b>	03229

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<b>Is the facility address the same as the owner's mailing address *</b>	Yes
<b>Primary Contact (who should we call with questions) *</b>	Linda Modica
<b>Use Aggregator Email Address? *</b>	Yes
<b>Utility *</b>	Eversource
<b>Date of Utility Signoff *</b>	08/17/2015
<b>GIS ID *</b>	NON55278
<b>Panel Make *</b>	SunEdison
<b>Panel Model *</b>	F270
<b>Panel Rated Output *</b>	270
<b>Panel Quantity *</b>	32
<b>System capacity based on panels</b>	8640.00
<b>Inverter Make *</b>	Enphase Energy
<b>Inverter Model *</b>	M215
<b>Rated Output *</b>	215
<b>Inverter Quantity *</b>	32
<b>System capacity based on inverters</b>	6880.00
<b>System capacity in kW as stated on the interconnection agreement</b>	6.88
<b>Revenue Grade</b>	AEE Solar

**Meter Make \***

**Was this facility installed directly by the customer (no electrician involved)? \***

No

**Sign-off Electrician's License Number**

12245M

**Installation Company \***

SunRay Solar

**Independent Monitor Name \***

Paul Button

**Monitor Company Name \***

Energy Audits Unlimited

**Is the installer also the equipment vendor? \***

No

**Equipment Vendor \***

SunEdison

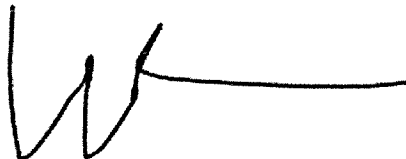
**Please attach your completed interconnection agreement including Exhibit B.**

Carr\_SPIA.pdf (195k) ([https://fs30.formsite.com/jan1947/files/f-5-99-5765159\\_wa6xHD01\\_Carr\\_SPIA.pdf](https://fs30.formsite.com/jan1947/files/f-5-99-5765159_wa6xHD01_Carr_SPIA.pdf))

**Please attach additional document here**

Carr\_NHOS.pdf (434k) ([https://fs30.formsite.com/jan1947/files/f-5-168-5765159\\_aawQ1Wp8\\_Carr\\_NHOS.pdf](https://fs30.formsite.com/jan1947/files/f-5-168-5765159_aawQ1Wp8_Carr_NHOS.pdf))

**Aggregator statement of accuracy Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer. \***



**Print Name \***

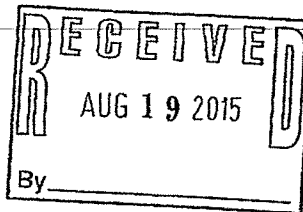
Linda Modica

**Date Signed \***

12/26/2015

**Last Update** 2015-12-26 11:31:31**Start Time** 2015-12-26 11:27:12**Finish Time** 2015-12-26 11:31:31**IP** 98.221.34.56**Browser** Safari**OS** Mac**Referrer** <https://fs30.formsite.com/res/formLoginReturn> (<https://fs30.formsite.com/res/formLoginReturn>)

EVERSOURCE  
INTERCONNECTION STANDARDS FOR INVERTERS  
SIZED UP TO 100 KVA  
Simplified Process Interconnection Application and Service Agreement



Eversource Application Project ID#: N 3893

**Contact Information:**

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): Byron Carr

Contact Person, if Company: \_\_\_\_\_

Mailing Address: 191 Burham Intervale Road

City: Contoocook

State: NH

Zip Code: 03229

Telephone (Daytime): 603-746-3370

(Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**Alternative Contact Information** (e.g., System installation contractor or coordinating company, if appropriate):

Name: SunRay Solar, LLC

Mailing Address: 124A Hall Street

City: Concord

State: New Hampshire

Zip Code: 03301

Telephone (Daytime): 603-225-6001

(Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_

E-Mail Address: rick@spreadthesunshine.com

**Electrical Contractor Contact Information** (if appropriate):

Name: Brian Pars of SunRay Solar, LLC #12245M - New Hampshire

Mailing Address: 124A Hall Street

City: Concord

State: New Hampshire

Zip Code: 03301

Telephone (Daytime): 603-225-6001

(Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_

E-Mail Address: Brian@spreadthesunshine.com

**Facility Site Information:**

Facility (Site) Address: 191 Burham Intervale Road

APT 2

City: Contoocook

HOPKINTON

State: NH

Zip Code: 03229

Electric

Service Company: Eversource

Account Number: 56615801040

Meter Number: S72291882

(HOUSE)

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request # \_\_\_\_\_

**Non-Default Service Customers Only:**

Competitive Electric

Energy Supply Company: \_\_\_\_\_

Account Number: \_\_\_\_\_

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

EVERSOURCE  
INTERCONNECTION STANDARDS FOR INVERTERS  
SIZED UP TO 100 KVA  
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**Facility Machine Information:**

Generator/ Inverter Manufacturer: Enphase Model Name & Number: m215 Quantity: 32  
Nameplate Rating: 215 (kW) \_\_\_\_\_ (kVA) \_\_\_\_\_ (AC Volts) Phase: Single ☒ Three ☐  
*Nameplate Rating: The AC Nameplate rating of the individual inverter.*  
System Design Capacity: 6.88 (kW) \_\_\_\_\_ (kVA) Battery Backup: Yes ☐ No ☒  
*System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.*  
Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☒ No ☐  
Prime Mover: Photovoltaic ☒ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other \_\_\_\_\_  
Energy Source: Solar ☒ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other \_\_\_\_\_

**Inverter-based Generating Facilities:**

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)  
Yes ☒ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. *Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.*

**External Manual Disconnect Switch:**

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'

Yes ☒ No ☐

Location of External Manual Disconnect Switch: Outside next to meter

Project Estimated Install Date: August 2015

Project Estimated In-Service Date: August 2015

**Interconnecting Customer Signature:**

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: Byron McCaskey Title: Homeowner Date: 8/6/2015

**Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.**

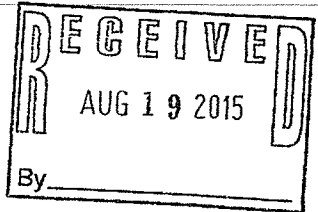
**For Eversource Use Only**

**Approval to Install Facility:**

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☒ To be Determined ☐

Company Signature: [Signature] Title: Associate Engineer Date: 8/19/15



Eversource  
Interconnection Standards For Inverters Sized Up To 100 kVA  
**Exhibit B - Certificate of Completion for Simplified Process Interconnections**

**Installation Information:**

☐ Check if owner-installed

Customer or Company Name (print): Byron Carr

Contact Person, if Company: \_\_\_\_\_

Mailing Address: 191 Burnham Intervale Road

City: Contoocook State: NH Zip Code: 03229

Telephone (Daytime): 603-746-3370 (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Facility Information:**

Address of Facility (if different from above): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Electrical Contractor Contact Information:**

Electrical Contractor's Name (if appropriate): Brian Pare of SunRay Solar, LLC

Mailing Address: 124A Hall Street

City: Concord State: NH Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: brian@spreadthesunshine.com

License number: 12245M

Date of approval to install Facility granted by the Company: 08-19-2015

Eversource Application ID number: N 3893

**Inspection:**

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: HOPKINTON County: MERRIMACK

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): \_\_\_\_\_

Signature: [Signature]

Name (printed): John P. Anka Date: 8-17-2015

**Customer Certification:**

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B - Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Customer Signature: [Signature]

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource  
Distributed Generation  
780 North Commercial Street  
P. O. Box 330, Manchester, NH 03105-0330  
Fax No.: (603) 634-2924

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## New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Byron Carr

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Printed Name of signature owner

Byron Carr

Byron Carr (Sep 12, 2015)

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Signature of system owner